

Early Detection and Rapid Response (EDRR) to Aquatic Invasive Plants in Michigan

Funding and Timeline

- **Three-year project funded through EPA/Great Lakes Restoration Initiative**
 - October 2010 – September 2013
 - ~\$970,000 to DNR WLD and project partners (0% match)
 - Michigan Natural Features Inventory (MNFI)
 - Michigan State University
 - Midwest Invasive Species Information Network (MISIN)

Goals and Objectives

- **(Planning) Develop a state-wide EDRR program for Aquatic Invasive Species**
 - Coincides with revision of the Aquatic Invasive Species State Management Plan (AISSMP)
 - GLRI Grant “Implementing Michigan’s Comprehensive Aquatic Invasive Species State Management Plan for 2011-2012”
 - New EDRR section listed as high priority statewide
 - Program details available in AIS SMP (specifically the Implementation Table)
 - Multistage program
 - Provides common language and procedures for multi-agency collaboration
 - Based on Incident Command System structure
 - Will require additional funding for long term success and efficiency
- **(Field Based) Eradicate/control high threat species**
 - Practical application of the EDRR program that has been developed in SMP
 - 6 species listed specifically
 - Brazilian elodea, water lettuce, water hyacinth, parrot-feather, European frog-bit, flowering rush
 - Build WLD capacity for managing invasive species in a diverse set of ecosystems
 - Increase knowledge base of new, high threat invasive species
 - Develop reporting mechanism for invasive species detections
 - Establish mapping protocols, treatment regimes, and monitoring programs
 - Prevent potential large scale infestations of flowering rush at multiple managed waterfowl areas and other SGAs and SRAs
 - Gather and maintain a database of invasive species occurrences throughout the state for future management consideration

Contacts:

Matt Ankney
EDRR Coordinator
ankneym2@michigan.gov
(517) 641-4903 ext 260

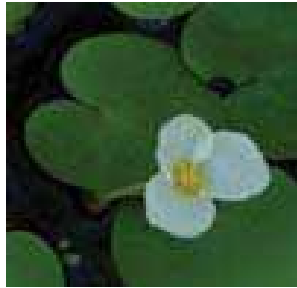
Kevin Walters
AIS Coordinator
waltersk3@michigan.gov
(517) 641-4903 ext 243

Please see reverse for more information

Early Detection and Rapid Response Project Target Species and Preliminary Data



Parrot Feather



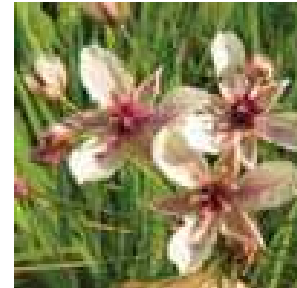
European Frog-bit



Water Hyacinth



Water Lettuce



Flowering Rush



Brazilian Elodea

2011 Surveillance Results*



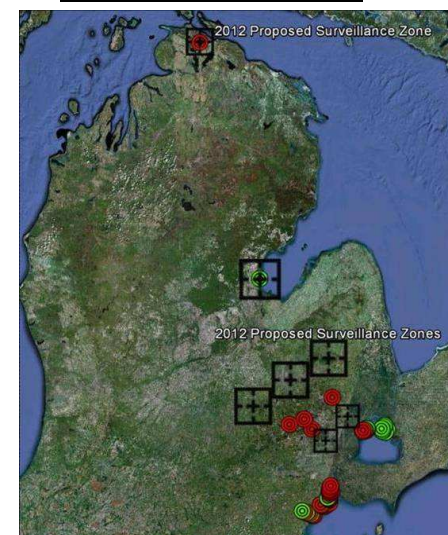
*2011 site list based on previously unverified reports from; MNFI, DEQ, Michigan Aquatic Managers Association/Industry, herbarium records, citizen scientists, and others.

2012 Treatment Sites**



**EFB treatment at Nayanquing Point delayed until 2013. Other large scale treatments of State owned lands are proposed for 2013.

2012 Surveillance Sites***



*** Zones based on 2011 survey data. Any new reports will be added to site list, and additional zones to be added south and southwest of Oakland County cluster.